



AGRICULTURAL CROP REPORT

KINGS COUNTY, CALIFORNIA - 1988

KINGS COUNTY
DEPARTMENT OF AGRICULTURE

** PERSONNEL **

AGRICULTURAL COMMISSIONER-SEALER OF WEIGHTS AND MEASURES

M. HUGH HANDLEY

DEPUTY AGRICULTURAL COMMISSIONER/SEALERS

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CROP REPORT COVER: Kings County Agricultural Center.
(See enclosed story.)

Photo Cover By
Buzz Felleke, Inspector.

COUNTY OF KINGS



AGRICULTURAL COMMISSIONER SEALER OF WEIGHTS AND MEASURES

M. Hugh Handley
Agricultural Commissioner
Sealer Of Weights And Measures

680 N. Campus Drive

Hanford, California 93230

(209) 582-3211 Ext. 2830

April 3, 1989

Director
California Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Kings

Gentlemen:

It is my pleasure to submit to you this 1988 Agricultural Crop Report, which was compiled in accordance with Section 2279 of the California Food and Agricultural Code.

The gross value of agricultural crops and products in Kings County for the calendar year 1988 was 634,395,000., a \$2,000,000. decrease (.31%) from 1987 values.

The results of a two year drought, with a cool spring brought reduced yields to cotton, Kings County's major crop, which declined over \$51,000,000. including seed. Alfalfa hay and safflower, however, increased in value, due mainly to higher prices.

Fruits and nuts, seed crops and livestock and poultry production also reflected increased values, generally the result of both higher production and prices.

Vegetable crops reflected an \$8,000,000. increase from 1987, with reduced acreage.

All figures in this report are gross returns and do not indicate net profit received by growers.

This report could not have been possible without the many individuals and organizations who contributed their time and information. A special thanks is expressed to Buzz Felleke and Stace Damerval of my staff, who compiled the report.

Respectfully submitted,

M. Hugh Handley
Agricultural Commissioner
Sealer of Weights and Measures

MHH:ame

THE AGRICULTURAL CENTER

This 1988 Agricultural Crop Report is dedicated to The Kings County Agricultural Center, our new 20,000 square foot office complex for five agricultural agencies with a multi-use conference room equipped with kitchen facilities.

The Agricultural Center contains new offices for:

Kings County Agricultural Commissioner
Sealer of Weights & Measures

University of California Cooperative Extension

USDA Agricultural Stabilization and Conservation Service

USDA Farmers Home Administration

USDA Soil Conservation Service

The Agricultural Center is a tribute to the agricultural community of Kings County, as well as serving as a model for other counties. It provides farmers and agricultural businesses with the convenience of one-stop service for business and meetings, plus saving time and money for it's users.

ANNUAL CROP REPORT
FOR YEAR 1988

KINGS COUNTY DEPARTMENT OF AGRICULTURE

M. HUGH HANDLEY
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

KINGS COUNTY
BOARD OF SUPERVISORS

LES BROWN.....DISTRICT I
JOE HAMMOND.....DISTRICT II
DOM FARUZZI.....DISTRICT III
NICK KINNEY.....DISTRICT IV
ABEL MEIRELLES.....DISTRICT V

COUNTY ADMINISTRATIVE OFFICER

MILTON D. McCOY

TABLE OF CONTENTS

	<u>PAGE</u>
FIELD CROPS.....	1
SEED CROPS.....	2
FRUIT AND NUT CROPS.....	3
VEGETABLE CROPS.....	5
INVENTORY OF LIVESTOCK & POULTRY.....	5
LIVESTOCK AND POULTRY	6
LIVESTOCK AND POULTRY PRODUCTS.....	6
APIARY PRODUCTS.....	7
1988 CROP SUMMARY.....	7
5 YEAR COMPARISON OF ACREAGE & CROP VALUE.....	8
COMPARISON OF TOTAL ACRES FARMED 1987-1988.....	8
1988 TOP TEN CROPS.....	9
MILLION DOLLAR CROPS.....	10
1988 KINGS COUNTY TOTAL CROP VALUE.....	11
GENERAL KINGS COUNTY INFORMATION.....	12
KINGS COUNTY RAINFALL DATA.....	BACKCOVER

FIELD CROPS

CROP	YEAR	PRODUCTION		TOTAL	UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE			PER UNIT	TOTAL
Barley	1988	19,395	2.18	42,281	Ton	\$ 115.00	\$ 4,862,000
	1987	24,195	1.75	42,341	Ton	94.00	3,980,000
Corn	1988	9,558	4.50	43,011	Ton	120.00	5,161,000
	1987	13,400	5.74	77,260	Ton	80.00	6,181,000
Cotton Lint <u>a/</u>	1988	289,209	0.46*	133,036	Ton	1360.00**	180,929,000
	1987	259,347	0.61	158,202	Ton	1543.00	244,105,000
Cottonseed	1988			223,088	Ton	185.00	41,271,000
	1987			264,487	Ton	110.00	29,094,000
Cotton Planting Seed	1988			3,268	Ton	208.00	680,000
	1987			3,451	Ton	211.00	728,000
Dry Beans <u>b/</u>	1988	1,800	1.50	2,700	Ton	495.00	1,336,000
	1987	1,951	1.50	2,927	Ton	460.00	1,346,000
Hay Alfalfa	1988	26,749	7.35	196,605	Ton	89.00	17,498,000
	1987	30,161	6.20	186,998	Ton	74.00	14,773,000
Grain	1988	1,122	3.80	4,264	Ton	70.00	298,000
	1987	2,973	3.40	10,108	Ton	55.00	556,000
Pasture Irrigated	1988	12,000			Acre	108.00	1,296,000
	1987	12,500			Acre	108.00	1,350,000
Range	1988	120,000			Acre	2.00	240,000
	1987	150,000			Acre	2.00	300,000
Other	1988	50,000			Acre	18.00	900,000
	1987	49,000			Acre	18.00	882,000
Safflower	1988	34,169	1.51	51,595	Ton	296.00	15,272,000
	1987	29,451	1.49	43,882	Ton	194.00	8,513,000
Screenings	1988			3,420	Ton	42.00	144,000
	1987			4,468	Ton	35.00	156,000

a/ 1987 Unit Value reported as 495 lb. bales; 4 bales per ton.

b/ Soybeans and Blackeye Beans.

* 1.87 Bales per acre.

** \$337 per bale.

FIELD CROPS cont.

CROP	YEAR	PRODUCTION		TOTAL	UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE			PER UNIT	TOTAL
Silage Corn	1988	5,883	28.50	167,666	Ton	\$18.00	\$3,018,000
	1987	8,000	25.00	200,000	Ton	16.00	3,200,000
Other	1988	3,591	18.00	64,638	Ton	16.00	1,034,000
	1987	6,000	21.00	126,000	Ton	15.50	1,953,000
Sugar Beets	1988	2,656	23.00	61,088	Ton	30.00	1,833,000
	1987	2,016	26.50	53,424	Ton	30.00	1,603,000
Wheat	1988	41,041	2.86	117,377	Ton	122.00	14,320,000
	1987	55,120	2.93	161,502	Ton	107.00	17,281,000
Misc. a/	1988	853					293,000
TOTAL	1988	618,026					290,385,000
	1987	645,314					336,001,000*

a/ Sorghum Grain and Triticale.

* Revised.

SEED CROPS

CROP	YEAR	PRODUCTION		TOTAL	UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE			PER UNIT	TOTAL
CERTIFIED SEED							
Alfalfa	1988	17,384	654	11,369,136	lb.	\$ 1.31	\$14,894,000
	1987	16,850	730	12,300,500	lb.	1.10	13,531,000
Barley	1988	620	5,340	3,310,800	lb.	0.06	199,000
	1987	3,077	3,380	10,400,260	lb.	0.05	520,000
Wheat	1988	10,372	6,620	68,662,640	lb.	0.07	4,806,000
	1987	12,947	5,700	73,797,900	lb.	0.05	3,690,000
OTHER SEED							
Lettuce	1988	172	491	84,452	lb.	2.38	201,000
	1987	165	406	66,990	lb.	3.17	212,000
Alfalfa	1988	1,000	654	654,000	lb.	1.10	719,000
	1987	1,200	730	876,000	lb.	1.00	876,000
Misc. a/	1988	2,848					4,099,000
	1987	384					981,000
TOTAL	1988	32,396					24,918,000
	1987	34,623					19,810,000

a/ Corn, Flowers, Turf, and Watermelons.

FRUIT AND NUT CROPS

CROP	YEAR	ACREAGE		PRODUCTION		VALUE		
		BEARING	NON BEARING	PER ACRE	TOTAL	PER TON	TOTAL	
Almonds								
Dried	1988	2,998	121	.69	2,069	\$ 1,800.00	\$ 3,724,000	
Dried	1987	3,208	71	.74	2,374	1,980.00	4,701,000	
Hulls	1988				1,097	65.00	71,000	
Hulls	1987				1,258	38.00	48,000	
Apricots								
Fresh	1988				1,164	892.00	1,038,000	
Processed	1988				349	270.00	94,000	
Total	1988	250		7.76	1,940		1,132,000	
Fresh	1987				1,177	801.00	943,000	
Processed	1987				924	115.75	107,000	
Total	1987	235	15	8.94	2,101		1,050,000	
Grapes								
Raisin Var.	1988							
Fresh					2,126	694.00	1,475,000	
Dried					1,484	887.00	1,316,000	
Crushed					9,783	127.00	1,242,000	
Cannery					240	200.00	48,000	
Total		2,213			13,636		4,081,000	
Raisin Var.	1987							
Fresh					700	725.00	508,000	
Dried					3,500	805.00	2,818,000	
Crushed					9,400	125.00	1,175,000	
Cannery					600	185.00	83,000	
Total		2,674			14,050		4,584,000	
Wine Varieties								
Crushed	1988	800		9.00	7,200	152.00	1,094,000	
Crushed	1987	1,214	76	10.00	12,140	140.00	1,700,000	
Table Var.	1988	264	44	8.26	2,181	874.00	1,906,000	
	1987	273	34	3.92	467	870.00	931,000	
Grapes Total	1988	3,277	44				7,081,000	
	1987	4,161	110				7,215,000	
Kiwifruit	1988	323		5.00	1,615	1,906.00	3,078,000	
	1987	260	731	5.50	1,430	2,000.00	2,860,000	
Nectarines	1988	1,276	507	9.76	12,454	779.00	9,702,000	
	1987	1,345	377	7.14	9,603	742.00	7,125,000	

FRUIT AND NUT CROPS cont.

CROP	YEAR	ACREAGE		PRODUCTION		VALUE	
		BEARING	NON BEARING	PER ACRE	TOTAL	PER TON	TOTAL
Olives							
	1988	1,142		3.51	4,008	\$ 587.00	\$ 2,353,000
	1987	1,142		2.67	3,049	595.00	1,814,000
Peaches							
Clingstone							
Processed	1988	1,052	234	20.00	21,040	213.00	4,482,000
Processed	1987	1,341	233	14.00	18,774	191.00	3,586,000
Freestone							
Fresh	1988						
Processed	1988						
Total	1988	1,757	656	11.13	19,555	715.00	13,982,000
Fresh	1987						
Processed	1987						
Total	1987	1,548	488	10.20	15,790	474.00	7,484,000
Total Peaches	1988	2,809	890		40,595		18,464,000
	1987	2,889	721		34,564		11,070,000
Pistachios							
Dried	1988	4,404	1,928	0.90	3,964	2,760.00	10,941,000
Dried	1987	3,521	1,839	0.43	1,514	2,980.00	4,512,000
Plums							
Fresh	1988	1,974	342	6.36	12,555	715.00	8,977,000
Fresh	1987	1,886	328	5.00	9,430	477.00	4,498,000
Pomegranates							
Fresh	1988	161		6.97	1,122	636.00	714,000
Fresh	1987	161		9.45	1,521	400.00	608,000
Walnuts							
	1988	4,462	1,645	1.56	6,961	980.00	6,822,000
	1987	5,347	980	1.44	7,700	960.00	7,392,000
Wood a/	1988				492*		41,000
Misc. b/	1988	479	161				2,261,000
	1987	367	115				644,000
TOTAL							
	1988	29,641	6,572				75,361,000
	1987	24,522	4,629				53,537,000

a/ Includes all Varieties.

b/ Includes Apples, Asian Pears, Jojoba, Pecans, Persimmons, Prunes, Quince.

* Measured in Cords.

VEGETABLE CROPS

CROP	YEAR	PRODUCTION		TOTAL	UNIT	VALUE	
		HARVESTED ACREAGE	PER ACRE			PER UNIT	TOTAL
Broccoli							
Fresh	1988	842	5.89	4,959	Ton	\$ 343.00	\$ 1,701,000
	1987	960	4.55	4,368	Ton	318.52	1,391,000
Cantaloupes <u>a/</u>							
Fresh	1988	1,044	8.64	9,020	Ton	320.00	2,886,000
Fresh	1987	1,986	8.48	16,841	Ton	150.00	2,526,000*
Onions							
Processed	1988	395	20.00	7,900	Ton	70.00	553,000
Processed	1987	525	15.50	6,588	Ton	70.47	464,000
Tomatoes							
Processed	1988	720	27.80	20,016	Ton	48.20	965,000
Processed	1987	1,637	32.30	52,875	Ton	46.40	2,453,000
Fresh	1988	2,187	15.81	34,576	Ton	442.00	15,283,000
Fresh	1987	1,965	13.82	27,156	Ton	345.29	9,377,000
Misc. <u>b/</u>	1988	2,798					8,435,000
	1987	4,096					5,140,000
TOTAL	1988	7,986					29,823,000
	1987	12,230					21,351,000*

a/ 1987 Unit Value reported as 40 lb. crate; 50 crates per ton.

b/ Includes Asparagus, Bell Peppers, Chinese Cabbage, Eggplant, Garbanzo Beans, Lettuce, Lima Beans, Misc. Melons, Onions, Processed Carrots, Processed Garlic, Squash, Sweet Corn, Watermelons.

* Revised.

INVENTORIES OF LIVESTOCK & POULTRY (In Number of Head)

ITEM	January 1, 1988	January 1, 1989
Milk Cows 2 Years and Over	70,000	71,000
Cattle and Calves on Feed	3,000*	3,500
Other Cattle and Calves	127,000	128,500
Total	200,000	203,000
Sheep and Lambs	10,000	19,000
Goats	1,150	1,200
Hogs and Pigs	500	600
Hens and Pullets	156,000	108,000
Turkeys	458,000	433,651

* Revised.

LIVESTOCK AND POULTRY

ITEM	PRODUCTION		UNIT	PER UNIT	VALUE
	NO. OF HEAD	TOTAL LIVEWEIGHT			TOTAL
Cattle & Calves					
1988	146,212	891,893	Cwt.	\$ 64.50	\$ 57,527,000
1987	144,939	884,128	Cwt.	56.00	49,511,000
Sheep & Lambs					
1988	12,676	14,831	Cwt.	87.00	1,290,000
1987	11,600	13,224	Cwt.	74.00	979,000
Hogs & Pigs					
1988	1,076	243,176	lb.	0.46	112,000
1987	1,900	429,400	lb.	0.53	228,000
Turkeys					
1988	1,734,604	36,426,684	lb.	0.50	18,213,000
1987	1,831,942	37,774,644	lb.	0.46	17,376,000
Breeding Stock <u>a/</u>					
1988					969,000
1987					638,000
Miscellaneous <u>b/</u>					
1988					1,802,000
1987					533,000
TOTAL					
	1988				79,913,000
	1987				69,265,000

a/ For all Animals.

b/ Includes Catfish, Chickens, and Goats.

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	VALUE	TOTAL
				PER UNIT	
Eggs-Chicken					
Market	1988	230,600	Doz.	\$ 0.61	\$ 141,000
Market	1987	435,093	Doz.	0.60	261,000
Goats Milk					
	1988	11,183	Cwt.	22.00	246,000
	1987	8,911	Cwt.	23.80	212,000
Milk					
Market	1988	12,061,843	Cwt.	10.68	128,820,000
Market	1987	11,655,342*	Cwt.	11.24	131,012,000*
Manufacturing					
Manufacturing	1988	44,376	Cwt.	9.89	439,000
	1987	30,814*	Cwt.	10.47	323,000*
Wool					
	1988	131,830	lb.	1.62	214,000
	1987	120,640	lb.	0.90	109,000
Manure					
	1988	291,150	Ton	3.92	1,144,000
	1987	273,998*	Ton	5.00*	1,369,000*
TOTAL					
	1988				131,004,000
	1987				133,286,000*

* Revised.

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
Honey	1988	2,995,921	lb.	\$ 0.57	\$ 1,708,000
	1987	2,823,492*	lb.	0.64	1,807,000*
Beeswax	1988	49,932*	lb.	0.85	42,000
	1987	47,058*	lb.	0.95	45,000*
Pollination	1988	63,743	Colonies	19.47	1,241,000
	1987	67,226	Colonies	19.00	1,277,000
TOTAL	1988				2,991,000
	1987				3,129,000*

* Revised.

1988 CROP SUMMARY

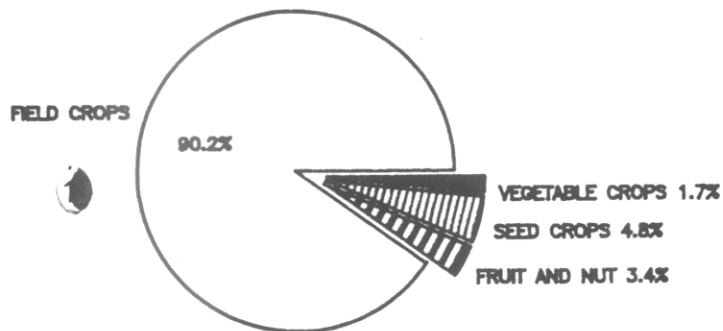
Field Crops	\$ 290,385,000	Seed Crops	\$ 24,918,000
Fruit and Nut Crops	75,361,000	Vegetable Crops	29,823,000
Livestock and Poultry	79,913,000	Apiary Products	2,991,000
Livestock and Poultry Products	\$ 131,004,000		
GRAND TOTAL			\$ 634,395,000

FIVE YEAR COMPARISON OF ACREAGE AND CROP VALUES

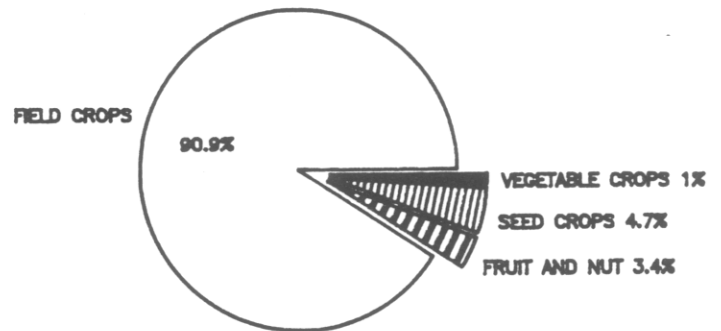
	1984	1985	1986	1987	1988
Field Crops	\$227,163,000	\$262,055,000	\$255,029,000*	\$336,001,000*	\$290,385,000
Acreage	700,000	647,189	622,379	645,314	618,026
Fruit and Nut	48,366,000	46,070,000	59,070,000*	53,537,000	75,361,000
Acreage	22,499	24,277	29,620	24,522	23,555
Livestock / Poultry	75,673,000	59,250,000	56,997,000	69,265,000	79,913,000
Livestock / Poultry Prod.	121,368,000	127,456,000	126,117,000	133,286,000*	131,004,000
Seed Crops	26,103,000	28,201,000	25,390,000	19,810,000	24,918,000
Acreage	33,832	41,831	45,052	34,623	32,396
Vegetable Crops	15,327,000	26,070,000	19,370,000	21,351,000*	29,823,000
Acreage	8,098	10,373	9,385	12,230	7,986
Apiary Products	5,716,000	3,364,000	3,672,000	3,129,000*	2,991,000
TOTALS	569,716,000	552,466,000	545,645,000*	636,379,000*	634,395,000

*Revised

TOTAL ACRES FARMED 1987-1988

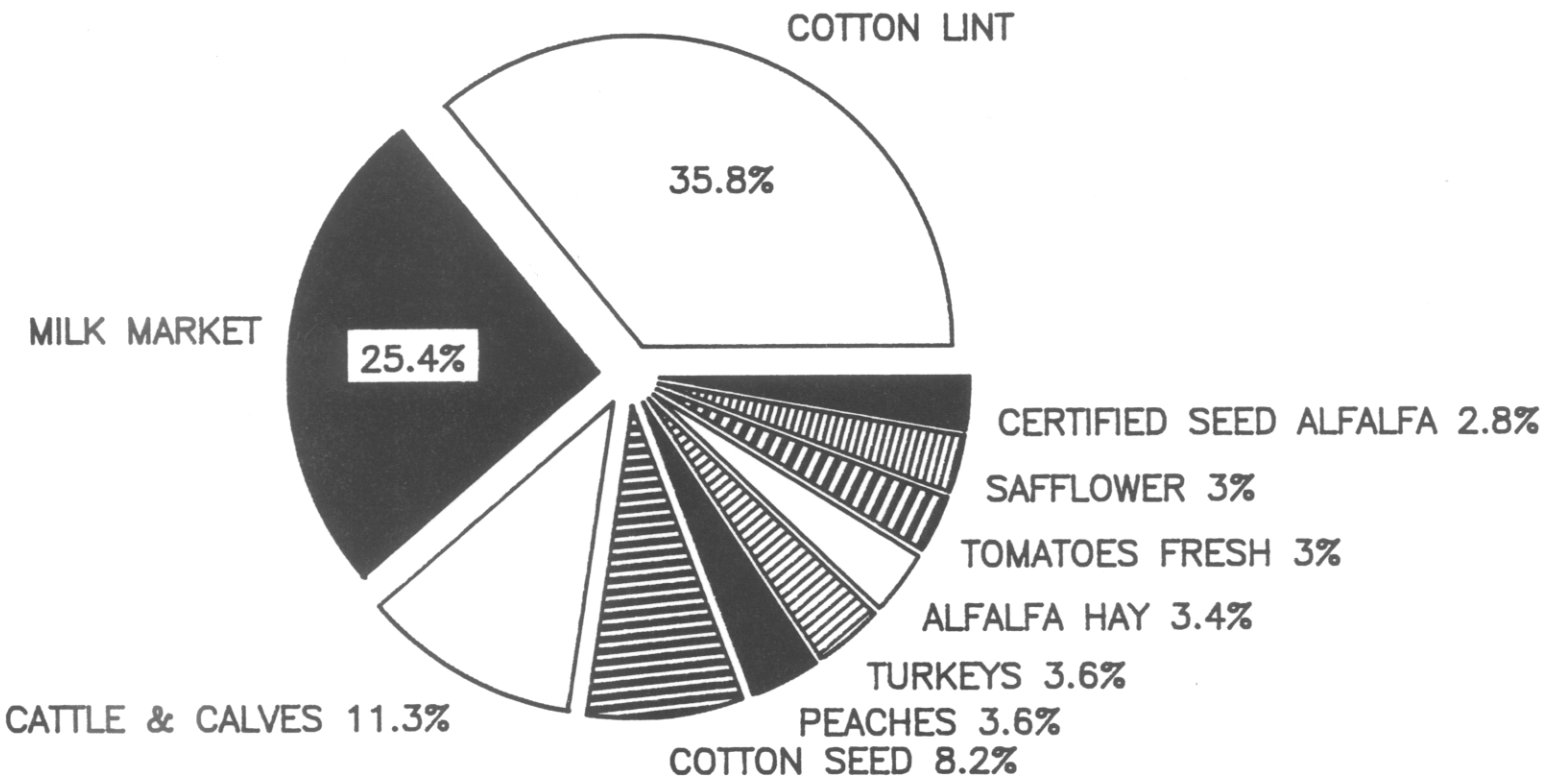


1987



1988

TOP TEN CROPS OF KINGS COUNTY FOR 1988



MILLION DOLLAR CROPS - 1988

Cotton Lint	\$ 180,929,000	Barley	\$ 4,862,000
Market Milk	128,820,000	Certified Wheat Seed	4,806,000
Cattle and Calves	57,527,000	Almonds	3,724,000
Cottonseed	41,271,000	Kiwifruit	3,078,000
Peaches	18,464,000	Silage Corn	3,018,000
Turkeys	18,213,000	Cantaloupes	2,886,000
Alfalfa Hay	17,498,000	Olives	2,353,000
Fresh Tomatoes	15,283,000	Sugar Beets	1,833,000
Safflower	15,272,000	Honey	1,708,000
Certified Alfalfa Seed	14,894,000	Broccoli	1,701,000
Wheat	14,320,000	Dry Beans	1,336,000
Pistachios	10,941,000	Irrigated Pasture	1,296,000
Nectarines	9,702,000	Sheep and Lambs	1,290,000
Plums	8,977,000	Pollination	1,241,000
Grapes	7,081,000	Manure	1,144,000
Walnuts	6,822,000	Apricots	1,132,000
Corn	5,161,000	Silage, Other	1,034,000

We hope you will find this Crop Report of interest and value to you. If you wish to remain on our mailing list to receive future Crop Reports, please return this card to us.

 Name: Individual and/or Company

 Number

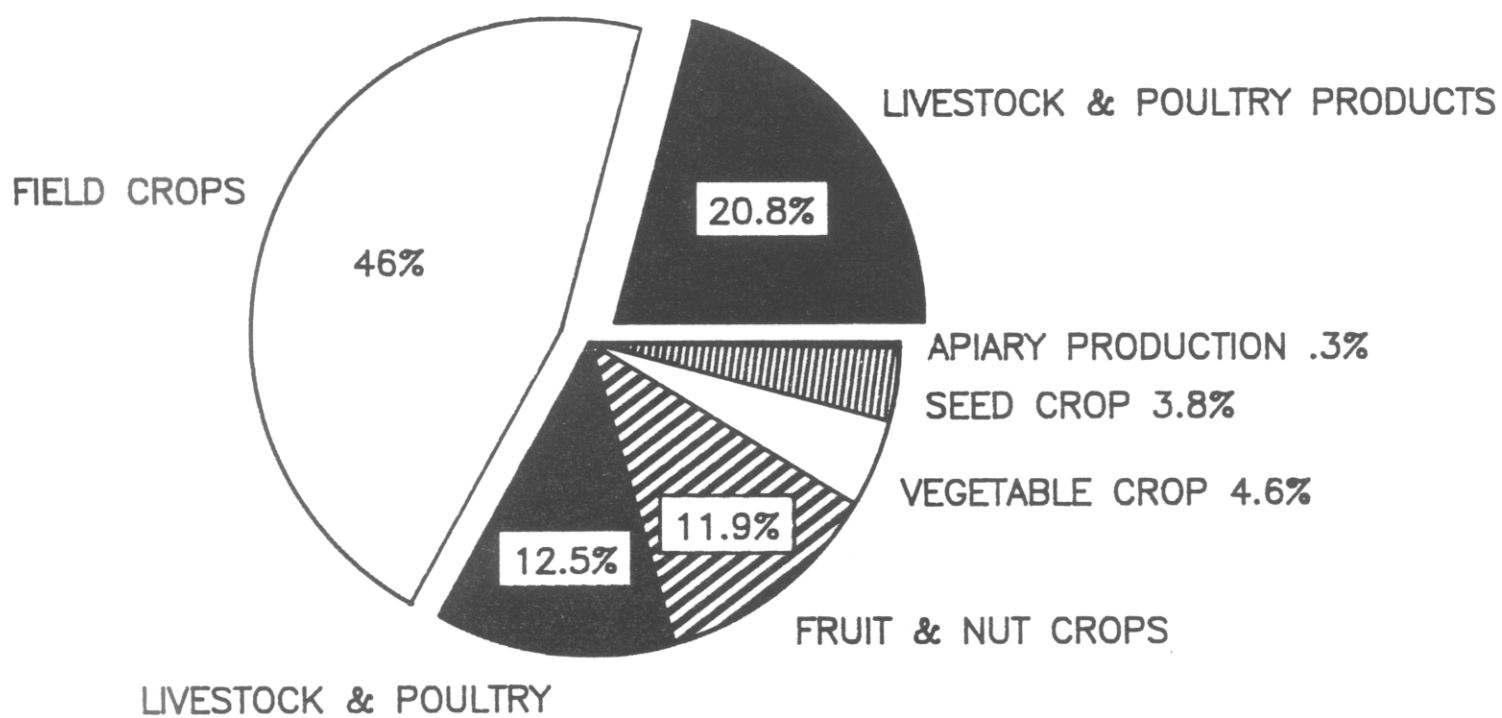
 Street/Avenue

 City

 State

 Zip

KINGS COUNTY 1988 TOTAL CROP VALUE



GENERAL KINGS COUNTY INFORMATION

County Seat	Hanford
County Population (1988)	91,995
Population per Square Mile	66.0
Total Assessed Value (1988)	\$2,440,992,000
Land Area (Square Miles)	1,392
Total Acres	918,790
Number of Farms (1988)	1,187
Land in Farms (Acres - 1988)	808,000
Foreign Ownership (13 parcels - 1987)	8,255 (acres) (value-\$ 4,356,000)
Total Cropland (Acres - 1988)	614,000
Irrigated Cropland (Acres - 1982)	554,114
Total Agricultural Work Force	6,420
Public Ownership of Land (Acres - 1977)	
Federal	30,974 (3.4%)
State	5,016 (.5%)
County & City	9,544 (1.0%)
School & Special Districts	4,426 (.4%)

Agricultural production ranked 11th among California counties and 16th among U.S. counties.(Based on 1984 total value.)

Railroads - Santa Fe, Southern Pacific.

Major Roads - Interstate 5, Highway 41, Highway 43 & Highway 198.

Water Sources - Kings River, Tule River, Kaweah River, Kern River, California Aquaduct.

Elevation - 225 to 250 feet above sea level. (800 feet in the Kettleman Hills.)

Average length of growing season: 257 days.

Average date of last spring frost: March 3.

Average climate: 196 sunny clear days, 74 partly cloudy days, 95 cloudy days.

Average date of first fall frost: November 18.

HANFORD, CALIFORNIA

RAINFALL TABLE

YEAR	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	TOTAL
1938-39	.17	.07	.00	.13	.19	.16	1.37	1.54	.77	1.44	.91	.00	6.75
1939-40	.12	.00	.00	.04	.57	.06	.22	3.53	3.61	.99	.18	.00	9.32
1940-41	.00	.00	.00	.00	.85	.00	3.65	1.51	3.90	1.82	2.64	.00	14.37
1941-42	.00	.00	.00	.00	.86	.50	3.32	.91	.88	.50	1.19	.16	8.32
1942-43	.00	.00	.00	.00	.00	.43	.86	2.74	1.14	3.36	.84	.00	9.37
1943-44	.00	.00	.00	.00	.03	.21	1.03	1.30	2.80	.39	.86	.28	6.90
1944-45	.00	.00	.00	.02	.23	2.25	1.05	.27	2.69	1.81	.16	.10	8.58
1945-46	.18	.00	.00	.01	.62	1.15	1.61	.34	1.52	2.57	.07	.41	8.48
1946-47	.00	.11	.00	.00	1.49	1.10	1.64	.33	.49	.51	.66	.33	6.66
1947-48	.01	.00	.00	.00	.47	.29	.51	.00	.43	1.49	1.56	.55	5.31
1948-49	.53	.00	.00	.00	.00	.03	.01	.99	.51	.85	1.94	.07	4.93
1949-50	.00	.00	.00	.00	.00	.00	.60	.68	1.48	1.13	1.10	.40	5.39
1950-51	.07	.00	.08	.00	.00	.34	.63	1.06	1.24	.76	.22	1.17	5.57
1951-52	.02	.00	.00	.00	.08	1.11	2.39	3.03	.27	2.18	.79	.01	9.88
1952-53	.02	.00	.00	.17	.05	.65	2.96	1.10	.27	.34	.83	.29	6.68
1953-54	.08	.00	.00	.00	.02	1.01	.09	1.89	.78	2.21	.52	.34	6.94
1954-55	.00	.00	.00	.00	.00	.66	1.61	3.25	1.31	.43	.69	.90	8.85
1955-56	.00	.00	.00	.00	.02	.92	4.67	1.10	.38	.10	.73	.77	8.69
1956-57	.07	.00	.00	.00	.73	.00	.15	1.39	1.22	.05	.88	.61	5.10
1957-58	.00	.00	.00	.00	.20	1.19	1.41	1.85	2.30	3.93	2.38	.24	13.50
1958-59	.00	.00	.11	.11	.00	.23	.16	1.35	1.90	.11	.52	.00	4.49
1959-60	.00	.00	.00	.11	.00	.00	.17	.80	1.71	.61	.57	.00	3.97
1960-61	.00	.02	.00	.53	.00	2.61	.03	1.34	.22	.67	.22	.37	6.01
1961-62	.00	.00	.00	.00	.00	1.11	1.28	.71	4.88	1.06	.00	.11	9.15
1962-63	.00	.00	.00	.01	.10	.00	.19	1.19	1.68	1.37	2.88	.56	7.98
1963-64	.17	.00	.00	.33	.75	1.23	.31	.61	.02	.94	.64	.20	5.20
1964-65	.00	.00	.34	.00	.95	1.31	1.44	1.18	.33	.33	1.57	.00	7.45
1965-66	.00	.00	.05	.07	.05	2.15	1.97	.63	.71	.10	.00	.07	5.80
1966-67	.06	.04	.00	.29	.09	1.28	2.57	1.41	.05	2.42	2.95	.07	11.23
1967-68	.23	.00	.00	.31	.00	1.99	.50	.62	.64	1.00	.50	.08	5.87
1968-69	.00	.00	.00	.00	1.33	.98	1.64	6.69	4.54	.79	.85	.32	17.14
1969-70	.21	.07	.00	.15	.05	.51	.70	1.60	1.33	1.42	.14	.00	6.18
1970-71	.00	.00	.00	.00	.00	2.40	1.23	.35	.19	.23	.40	1.44	6.24
1971-72	.00	.00	.00	.04	.06	.41	1.87	.04	.35	.00	.23	.00	3.00
1972-73	.00	.00	.00	.24	.21	2.90	.65	2.44	2.29	2.20	.12	.00	11.05
1973-74	.00	.00	.00	.00	.76	.46	.94	2.97	.13	1.75	.03	.00	7.04
1974-75	.00	.00	.00	.00	.65	.24	1.40	.09	2.26	1.24	.49	.00	6.37
1975-76	.00	.00	.00	.98	.76	.05	.22	.00	2.94	.19	1.47	.03	6.64
1976-77	.01	.00	.22	1.47	.00	1.15	.96	.96	.03	.43	.00	.01	5.24
1977-78	.07	.00	.00	.00	.05	.06	2.85	2.22	5.05	4.12	1.71	.00	16.13
1978-79	.00	.00	.00	1.10	.00	.79	.50	1.84	1.61	1.16	.03	.00	7.03
1979-80	.00	.04	.00	.08	.41	.62	.41	2.90	2.71	1.28	.05	.04	8.54
1980-81	.00	.00	.00	.00	.09	.00	.21	1.80	.86	2.10	.68	.17	5.91
1981-82	.00	.00	.00	.00	.76	1.08	.29	.84	.33	3.52	1.75	.00	8.57
1982-83	.45	.18	.00	.64	1.03	2.15	.71	3.74	2.59	3.39	1.63	.04	16.55
1983-84	.00	.00	.05	.82	.43	1.66	1.22	.01	.42	.27	.18	.00	5.06
1984-85	.00	.00	.00	.01	.52	1.41	1.66	.59	.61	.68	.12	.01	5.61
1985-86	.00	.05	.00	.00	.54	2.11	.56	1.46	2.60	3.40	.45	.00	11.17
1986-87	.00	.00	.00	.15	.00	.21	.77	1.77	2.04	2.02	.06	.13	7.15
1987-88	.05	.00	.00	.00	.86	.72	1.74	1.37	.40	.93	2.65	.07	8.79
1988-89	.06	.00	.00	.00	.00	1.33	2.29						3.68

AVERAGE .05 .01 .02 .15 .33 .89 1.20 1.45 1.47 1.33 .84 .21 7.84

50 year average rainfall 7.84